

Claims

- [c1] A method for presenting a digital paper bill comprising:
receiving data relating to a bill from a merchant;
associating a digital paper pattern with the bill;
providing a digital paper bill representation of the bill to a consumer.
- [c2] The method of claim 1, further comprising:
receiving a payment request from the consumer, wherein the consumer uses a digital pen to process the payment request;
authenticating the payment request; and
processing a bank payment request from a bank in order to process the payment request.
- [c3] The method of claim 2, further comprising:
obtaining a consumer payment preferences record used for processing the bank payment request.
- [c4] The method of claim 3, further comprising:
requesting a funds availability determination from the bank relating to the payment request.
- [c5] The method of claim 4, further comprising:
receiving a payment processed notice from the bank re-

lating to the payment request.

- [c6] The method of claim 5, further comprising:
sending a payment processed receipt to the consumer
related to the payment processed notice.
- [c7] The method of claim 1, wherein,
the data relating to a bill includes XML formatted data.
- [c8] The method of claim 2, wherein,
the consumer uses a cellular telephone to process the
payment request.
- [c9] The method of claim 2, wherein,
the payment request includes an indication that the con-
sumer used the digital pen to check an Anoto pattern
box.
- [c10] The method of claim 2, wherein,
the digital paper comprises a unique Anoto pattern.
- [c11] The method of claim 2, wherein,
the digital paper comprises a generic Anoto pattern and
a payment check box including a unique Anoto pattern.
- [c12] The method of claim 2, wherein,
the payment request includes an indication that the con-
sumer used the digital pen to write a payment amount in
an Anoto pattern box.

- [c13] The method of claim 2, wherein,
the payment request includes an indication that the consumer used the digital pen to check a payment dispute Anoto pattern box.
- [c14] A method for presenting a digital paper consolidated bill comprising:
receiving data relating to a bill from each of a plurality of merchants, each bill including bill data and bill summary data;
associating a digital paper pattern with a consolidated bill, wherein the consolidated bill includes bill summary data for each bill;
providing a digital paper bill representation of the consolidated bill to a consumer.
- [c15] The method of claim 14, wherein,
the payment request includes an indication that the consumer used the digital pen to check an Anoto pattern box indicating a request to pay all bills.
- [c16] The method of claim 15, wherein,
the payment request includes an indication that the consumer used the digital pen to check an Anoto pattern box indicating a request to pay one bills.
- [c17] A method for electronic payment of a bill comprising:

receiving a bill in digital paper form;
indicating a payment request by using a digital pen to
check the bill.

- [c18] The method of claim 17, further comprising:
indicating a dispute request by using the digital pen to
check the bill.
- [c19] The method of claim 17, wherein,
the indication of payment request is sent to a personal
accounting system.
- [c20] The method of claim 19, wherein,
the personal accounting system includes QUICKEN.